

EX-TEC® PM 4

Gas detection, gas warning,
gas concentration measuring instrument
for ppm, LEL and vol.% range applications



Features

- Modular instrument concept.
Basic device without pump (diffusion) or with built-in pump
- Sensor combinations for diverse applications:

Applications	sensors
warning	%LEL
detecting + warning	ppm + %LEL
warning + measuring	%LEL + vol. %
detecting + measuring	ppm + vol. %
detecting + warning + measuring	ppm + %LEL + vol. %

- Large illuminated LCD display
- Self-test when switched-on
- Easy handling
- Visual and audible alarms
- Adjustable alarms for each range
- Temperature compensated sensors
- Easy to follow operator menu
- Function menu for instrument configuration (PIN code protected)
- Operator selectable flammable gas menu (option):
methane, propane, butane, hexane, nonane, hydrogen, jet fuel
- Adjustable test gas concentrations



Approvals

- Passive protection:
EC-type-examination certificate in accordance with
ATEX 100a, guideline 94/9/EG
Certificate No.: TÜV 09 ATEX 555077 X
Identification: Ex II 2G Ex d e ib IIB T4 Gb
- Active protection:
Function safety test in mode "warning" for the
following gases: Methane (CH_4), propane (C_3H_8)
and Nonane (C_9H_{20})
Certificate No.: BVS 09 ATEX G 002 X

Sensor operation / measuring range

Calibration on methane:

ppm sensor, semi-conductor: 0 – 22.000 ppm
Minimum detection sensitivity 1 ppm

%LEL sensor, catalytic combustion: 0 – 4.4 vol. %
Minimum detection sensitivity 500 ppm

Vol. % sensor, thermal conductivity: 0 – 100 vol. %
Minimum detection sensitivity 1 vol. %

Technical data

Operating time:	typically 8 hours
Power supply:	3 Mignon NiMH accumulators or 3 Mignon Alkaline batteries
Operating temperature:	-20 °C – +40 °C
Storage temperature:	-25 °C – +50 °C
Type of protection:	IP 54
Dimensions (W x H x D):	60 x 144 x 35 mm
Weight:	approx. 300 g

Accessories

- Leather bag
- Various probe systems
- Test case / test sets / test gases

Please contact us for a comprehensive quotation, including additional technical specifications and information on accessories.